dup

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THE
HARVARD SCHOOL OF PUBLIC HEALTH

55 SHATTUCK STREET
BOSTON, MASSACHUSETTS

INCLUDING
COURSES OF INSTRUCTION
FOR 1945–46

Page 11 -
Historical

PUBLISHED BY THE UNIVERSITY

OFFICIAL REGISTER OF HARVARD UNIVERSITY

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ANNOUNCEMENT

OF THE

HARVARD SCHOOL OF PUBLIC HEALTH

55 SHATTUCK STREET
BOSTON, MASSACHUSETTS

1945

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CALENDAR FOR THE ACADEMIC YEAR 1945–46

September 21, Friday.	Registration of students.
September 24, Monday.	Fall Term Begins.
October 12, Friday.	Columbus Day: a holiday.
November 12, Monday.	Armistice Day: a holiday.
November 22, Thursday.	Thanksgiving Day: a holiday.

RECESS FROM DECEMBER 22, 1945 TO JANUARY 2, 1946, INCLUSIVE

January 23, Wednesday.	Mid-year examinations begin.
January 28, Monday.	Spring Term Begins.
February 22, Friday.	Washington's Birthday: a holiday.

RECESS FROM MARCH 31 TO APRIL 7, 1946, INCLUSIVE

April 19, Friday.	Patriots' Day: a holiday.
May 27, Monday.	Final examinations begin.
May 30, Thursday.	Memorial Day: a holiday
June 6, Thursday.	COMMENCEMENT.

The academic year is divided into the following periods:

Mon., Sept. 24–Sat., Oct. 20	First Month
Mon., Oct. 22–Sat., Nov. 17	Second Month
Mon., Nov. 19–Sat., Dec. 15	Third Month
Mon., Dec. 17–Sat., Jan. 26	Fourth Month [1]
Mon., Jan. 28–Sat., Feb. 23	Fifth Month
Mon., Feb. 25–Sat., March 23	Sixth Month
Mon., March 25–Sat., April 27	Seventh Month [2]
Mon., April 29–Sat., June 1	Eighth Month

[1] Recess from December 22, 1945 to January 2, 1946, inclusive.
[2] Recess from March 31 to April 7, 1946, inclusive.

ADMINISTRATIVE OFFICERS

President: James B. Conant, A.B., Ph.D., LL.D., S.D., L.H.D., D.C.L., D.Sc.
Office, 1 Massachusetts Hall, Cambridge.

Acting Dean: Edward G. Huber, A.B., M.D., Dr.P.H.
Office, School of Public Health, 55 Shattuck Street, Boston.

Secretary: Mrs. Margaret G. Barnaby, A.B.
Office, School of Public Health, 55 Shattuck Street, Boston.

Physician to Students: Lewis W. Kane, M.D.
Office, Room 103, Building A, Harvard Medical School, 25 Shattuck Street, Boston.

Bursar: Roy V. Perry.
Office, Lehman Hall, Cambridge.

ADMINISTRATIVE BOARD

President James B. Conant, A.B., Ph.D., LL.D., S.D., L.H.D., D.C.L., D.Sc. (*ex officio*).

Edward G. Huber, A.B., M.D., Dr.P.H., *Acting Dean* and *Associate Professor of Public Health Practice.*

Donald L. Augustine, S.D., D.Sc. (hon.), *Associate Professor of Comparative Pathology and Tropical Medicine.*

C. Walter Clarke, A.M., M.B.Ch.B., *Clinical Professor of Public Health Practice.*

J. Howard Mueller, S.M., Ph.D., *Professor of Bacteriology and Immunology.*

Fredrick J. Stare, S.M., Ph.D., M.D., *Associate Professor of Nutrition.*

Harold C. Stuart, Litt.B., M.D., *Associate Professor of Child Health.*

THE COMMITTEE APPOINTED BY THE BOARD OF OVERSEERS TO VISIT THE SCHOOL OF PUBLIC HEALTH

Edward B. Krumbhaar
G. Barry Bingham
Robert Amory
S. Bruce Black
George B. Darling
David F. Edwards
Martha M. Eliot
Charles E. Hodges, Jr.
James H. Rand, Jr.
James Stevens Simmons
Andrew J. Warren
Charles F. Wilinsky
Huntington Williams

FACULTY OF PUBLIC HEALTH *

James Bryant Conant, A.B., Ph.D., LL.D., S.D., L.H.D., D.C.L., D.Sc., *President.*

David Linn Edsall, A.B., M.D., S.D., *Dean, Emeritus.*

Edward Godfrey Huber, A.B., M.D., Dr.P.H., *Acting Dean* and *Associate Professor of Public Health Practice.*

Milton Joseph Rosenau, M.D., A.M., *Charles Wilder Professor of Preventive Medicine and Hygiene, Emeritus.*

Alice Hamilton, M.D., A.M., S.D., *Assistant Professor of Industrial Medicine, Emeritus.*

Frederick Fuller Russell, M.D., S.D., *Professor of Preventive Medicine and Epidemiology, Emeritus.*

Richard Pearson Strong, Ph.B., M.D., S.D., *Professor of Tropical Medicine, Emeritus.*

Ernest Edward Tyzzer, Ph.B., A.M., M.D., S.D. (hon.), *George Fabyan Professor of Comparative Pathology, Emeritus* and *Professor of Tropical Medicine, Emeritus.*

Edwin Bidwell Wilson, A.B., Ph.D., *Professor of Vital Statistics, Emeritus.*

William Irving Clark, A.B., M.D., *Clinical Professor of the Practice of Industrial Medicine.*

George Cheever Shattuck, M.D., A.M., *Clinical Professor of Tropical Medicine.*

Richard Mason Smith, A.B., M.D., S.D. (hon.), *Thomas Morgan Rotch Professor of Pediatrics.*

Cecil Kent Drinker, S.B., M.D., S.D. (hon.), *Professor of Physiology.*

* Arranged, with the exception of the President and Dean, on the basis of collegiate seniority.

William Lloyd Aycock, M.D., *Associate Professor of Preventive Medicine and Hygiene.*

Conrad Wesselhoeft, M.D., *Clinical Professor of Infectious Diseases.*

John Howard Mueller, S.M., Ph.D., *Professor of Bacteriology and Immunology.*

Charles Walter Clarke, A.M., M.B.Ch.B., *Clinical Professor of Public Health Practice.*

Harold Coe Stuart, Litt.B., M.D., *Associate Professor of Child Health.*

Philip Drinker, S.B., Chem.E., S.D. (hon.), LL.D., *Professor of Industrial Hygiene.*

Bertha Shapley Burke, A.M., *Associate in Nutrition.*

Gordon Maskew Fair, S.M., *Abbott and James Lawrence Professor of Engineering* and *Gordon McKay Professor of Sanitary Engineering.*

Elliott Stirling Andrew Robinson, A.B., M.D., Ph.D., *Assistant Professor of Applied Immunology and Director of the Division of Biologic Laboratories, Department of Public Health of Massachusetts.* (Absent 1945–46.)

John Everett Gordon, S.B., Ph.D., M.D., *Charles Wilder Professor of Preventive Medicine and Epidemiology.* (Absent 1945–46.)

Donald Leslie Augustine, S.D., D.Sc. (hon.), *Associate Professor of Comparative Pathology and Tropical Medicine.*

Constantin Prodromos Yaglou, B.A., S.B., M.M.E., *Associate Professor of Industrial Hygiene.*

John Franklin Enders, Ph.D., *Associate Professor of Bacteriology and Immunology.*

Carl Rupp Doering, A.B., M.D., S.D., *Assistant Professor of Vital Statistics.*

Richard Cannon Eley, M.D., *Associate in Pediatrics and Communicable Diseases.* (Absent 1945–46.)

LeRoy Dryden Fothergill, A.B., M.D., *Silas Arnold Houghton Assistant Professor of Bacteriology and Immunology* and *Associate in Pediatrics.* (Absent 1945–46.)

Quentin Monroe Geiman, S.M., Ph.D., *Assistant Professor of Tropical Diseases.*

Jane Worcester, A.B., *Associate in Vital Statistics.*

Fredrick John Stare, S.M., Ph.D., M.D., *Associate Professor of Nutrition.*

Vlado Andrew Getting, A.B., M.D., Dr.P.H., *Lecturer on Public Health Practice.*

Harold Allen Thomas, Jr., S.D., *Assistant Professor of Sanitary Engineering.*

Leslie Silverman, S.D., *Assistant Professor of Industrial Hygiene.*

David Mark Hegsted, S.M., Ph.D., *Associate in Nutrition.*

John Mead McKibbin, S.M., Ph.D., *Associate in Nutrition.*

The names of the other officers of instruction are given in their respective departments as listed under Content of the Courses, pages 26–45.

COMMITTEES OF THE FACULTY

Committee on Admissions

Donald L. Augustine, Chairman; Edward G. Huber, Harold C. Stuart.

Committee on Examinations and Curriculum

Gordon M. Fair, Chairman; Edward G. Huber, Carl R. Doering, Vlado A. Getting.

Committee on the Degree of Doctor of Public Health

Gordon M. Fair, Chairman; Philip Drinker, Edward G. Huber, Harold C. Stuart.

HISTORICAL STATEMENT

The Harvard School of Public Health first gave instruction to students in the academic year 1922–23. Activity in professional education in public health had been steadily increasing in Harvard University over a period of more than two decades before the actual founding of the School as a result of the influence of Dr. Henry P. Walcott, for many years senior Fellow of the Harvard Corporation, himself an internationally known pioneer in the field of public health. This trend was a gradual development, but was characterized by certain important steps, the first of which was the establishment in 1909 of the Department of Preventive Medicine and Hygiene in the Medical School, — the first such department in the United States. The degree of Doctor of Public Health was first conferred in 1911. In this same year a Department of Sanitary Engineering was inaugurated in the Graduate School of Engineering. In 1913 the Department of Tropical Medicine, and in 1918 the Division of Industrial Hygiene, with clinical and laboratory facilities, were organized in the Harvard Medical School.

In 1913 the "Harvard-Technology" School of Public Health was organized. It was under the joint management of Harvard University and the Massachusetts Institute of Technology. This School operated until the fall of 1922, when it was superseded by the new Harvard School of Public Health which was made possible by a generous endowment for this purpose from the Rockefeller Foundation. This endowment is most appropriately known as the Henry P. Walcott Fund of Harvard University.

Besides the Walcott Fund, the Rockefeller Foundation at this time also presented the School with sufficient funds to purchase and equip a building standing on land adjacent to that occupied by the Medical School, the Children's Hospital and the Peter Bent Brigham Hospital in which to house the administrative offices and as many as possible of the various groups concerned with instruction and research in

public health. It was obviously impossible to provide space in the new School of Public Health building for such departments as Bacteriology, Preventive Medicine and Hygiene, Tropical Medicine, Parasitology and the Library, all of which had existed in the Medical School for some years. For this reason, as well as to avoid duplication in facilities, the departments named above were organized as joint departments, supported financially by both the School of Public Health and the Medical School. There was a similar joint arrangement between the Graduate School of Engineering and the School of Public Health in respect to Sanitary Engineering. Those departments which were entirely supported by the School of Public Health, Vital Statistics, Maternal and Child Health, Public Health Administration, Physiology and Industrial Hygiene, were either housed in the School of Public Health building or in quarters rented by the School.

In 1936 women were admitted to the School as candidates for the Master and Doctor of Public Health degrees.

GENERAL STATEMENT

Programs of Study

Programs of study in the School of Public Health are based on the principle that a thorough training in the scientific groundwork of the practice of public health is an important factor in the success of the individual who holds a post where he is concerned with the public health, as well as with the success of the organization of which he is a part. The School does not seek to prepare expert technicians for particular branches of departments of public health, although much of the instruction incidentally does familiarize students with many specialized public health problems. The primary purpose of the School is to provide a better understanding of the nature and broad significance of epidemiology, sanitation, vital statistics and public health administration, and of the specialties within those four fields, so that students may prepare themselves for careers

as public health administrators, teachers in professional schools, directors of research or as specialists in such fields as maternal and child health, industrial health, the dissemination of health information, nutrition, and vital statistics.

Programs of study are adapted to the needs of individual students. Special students, who are not candidates for degrees, who seek to prepare for work in a special field, may concentrate in the broad field of problems in which their major interest lies. Those who complete the requirements for the first degree in public health with honor may devote most of their time to research directed toward the preparation of doctoral dissertations. These students may plan to supplement and round out their previous graduate training through registering for courses offered in the other schools and departments of instruction in the University.

Facilities

The School of Public Health is located at 55 Shattuck Street, Boston, in close proximity to the Medical School, the School of Dental Medicine, the Peter Bent Brigham Hospital, the Children's Hospital, and the Lying-in Hospital. The Antitoxin and Vaccine Laboratory of the Massachusetts Department of Public Health is within a comparatively short distance of the School. There is the closest cooperative arrangement with the Medical School so that all the facilities of either School and of the hospitals are fully available to the students of both schools. In Cambridge the graduate departments of the University offer opportunities for work in certain fields of special interest to public health students. For example, students may elect courses in sociology, business administration, the theory of government, common law, sanitary engineering and other subjects.

Several types of well organized public health activities lie within a short distance of the School. Close affiliation is maintained between the School and the State Department of Public Health, thus assuring students an opportunity not only to observe but actually to participate under competent direction in state health department activities. The Health Department of the City of Newton, whose Director of

Health is on the teaching staff of the School, has been developed as a special training ground for students of local public health administration in all its phases.

A cooperative field training project has been organized between the School of Public Health and the Massachusetts Department of Public Health by which students may register at the School of Public Health during the summer term and do field work in one or more of the health districts of the State Department of Public Health. This field training will be carefully supervised by the Commissioner of Public Health and by the Head of the Department of Public Health Practice of the School.

The facilities of the hospitals and clinics of the Massachusetts Department of Public Health and of other official agencies, as well as those of the various semi-official agencies, are available for training in child health, tuberculosis control, treatment of contagious diseases of childhood, care of mental defectives, rehabilitation of crippled children, correction of dental defects, and other types of activity which relate directly to the promotion of health and social welfare. Opportunity is also offered for training in hospital administration under competent direction.

Boston being the center of a great industrial metropolitan area, students have opportunity to observe at first hand all the public health problems that large industrial populations must face, while the medical and technical personnel of selected industrial establishments offer training in industrial health.

Libraries

The joint Library of the School of Public Health and the Harvard Medical School is on the second floor of the Administration Building of the Medical School. It is open from 9 A.M. until 10 P.M. on week days, from 9 A.M. until 5 P.M. on Saturdays, and from 2 P.M. until 6 P.M. on Sundays. There are at present 81,000 volumes, 195,000 pamphlets, and 574 current periodicals on file in this library.

Students also have the privilege of using the College Library in Cambridge, as well as the various departmental libraries belonging

to the University, in all of which there are 3,945,318 volumes and pamphlets.

The Boston Public Library is open to students who are residents of Boston, and students not residents of Boston who have filed a bond at the Bursar's Office.

The Boston Medical Library, No. 8 The Fenway, contains about 192,000 bound volumes, 134,000 pamphlets, and 475 current periodicals on file. For those who desire to consult medical literature, this very valuable library is open on week days from 9.00 A.M. to 5.00 P.M., and on Mondays and Thursdays until 10 P.M., from the middle of October to the end of May.

REQUIREMENTS FOR ADMISSION AND FOR DEGREES

Men or women who are applicants for admission to the School must satisfy the Committee on Admissions of their academic fitness. The record of courses completed as described in the application for admission is not in itself sufficient evidence of the fitness of a prospective candidate. The Committee may require additional evidence of present ability to utilize the training received and to profit by the courses administered by the School. The right is reserved to reject any applicant, or to accept an applicant as a special student rather than as a candidate for a degree until he demonstrates his ability to succeed in the work of the School.

All inquiries and communications regarding admission should be addressed to the Secretary, Harvard School of Public Health, 55 Shattuck Street, Boston 15, Massachusetts.

Master of Public Health

Although the course leading to the degree of Master of Public Health is designed primarily for graduates in medicine, it is also appropriate for other public health workers who have received adequate training or experience. Each applicant must convince the Committee on Admissions that he is prepared to complete the course with distinction.

Applicants for this degree must belong to one of the following categories:

1. Graduates of schools of medicine, veterinary medicine or dentistry.
2. Graduates in arts or sciences with adequate training in the basic medical sciences.
3. Graduates in arts or sciences with specialized training and experience in an important phase of public health work.

To be eligible for this degree at least one academic year must be spent *in residence* at the University during which the student is required to elect a sufficient number of courses to make a total of at least twenty credit units each semester. Due consideration will be given to the individual need of each candidate, but the program he desires to elect must meet the approval of the Administrative Board. A list of the basic courses offered indicating the credit unit value for each course is given below. The unit values listed for each course indicate the approximate proportion of the student's total program the course is designed to occupy.

First Semester

	Credit Units
Public Health Practice A	4
Vital Statistics A	5
Sanitation A	4
Nutrition A	4
Bacteriology A	4
Parasitology and Tropical Medicine A	4
Industrial Hygiene B (Laboratory)	3
Public Health Practice C	1.5
Medical Writing	.5
Term Paper	2

Second Semester

Child Health A	4
Communicable Diseases A	3
Ecology A	3
Epidemiology A	4
Vital Statistics B	4
Industrial Hygiene A	4
Public Health Practice B	2
Public Health Practice D	3
Child Health C	2
Industrial Hygiene B (Laboratory)	2
Bacteriology C (Applied Immunology)	1
Child Health B	To be arranged
Maternal Health B	To be arranged
Nutrition B	To be arranged
Sanitation B	To be arranged
Hospital Administration A and B	To be arranged

Candidates for the degree of Master of Public Health are ordinarily required to prepare a *term paper* in their major field of interest. This paper shall not be more than approximately forty-five hundred words in length. The subject is to be selected before the end of the second month of the academic year, with the help of the department in which the student's special field of interest lies, and the completed paper is to be handed in before the end of the sixth month. The term paper is judged on its value as a piece of medical writing, as well as on its content.

At the end of the academic year a *comprehensive examination* is given which is designed to test the student's knowledge and judgment, and his ability to coordinate the basic public health subjects of administration, epidemiology, sanitation and statistics, and also the various specialties in the field of public health.

To be recommended for the degree of Master of Public Health the candidate is required to pass at least two-thirds of the courses in his program, and the comprehensive examination, with distinction.

Doctor of Public Health

The degree of Doctor of Public Health is granted on evidence of a thesis which displays independent ability and originality in a special field. At least two years of work in residence at the School, including one year devoted to the courses forming the curriculum for the degree of Master of Public Health and the other to research, are necessary to obtain the degree of Doctor of Public Health. Students who have completed the requirements for the Master of Public Health degree elsewhere may, on passing the comprehensive examination with honors, be accepted provisionally as candidates for this degree, final acceptance depending upon the character of the work done. Such students may complete the required work in one year of resident research, although no assurance can be given of this, since the preparation of an acceptable thesis may consume more time than this.

Candidates for this degree except as provided below must be graduates of an approved medical school and must possess the degree of Master of Public Health or its equivalent. In rare instances, and upon the approval of the Faculty of Public Health, students who do not have a medical degree, but who possess exceptional basic training and experience in the field of public health may become candidates for this degree provided that they meet the general requirements for this degree.

Upon admission to candidacy the student must present a plan of independent investigation to the Committee on the Degree of Doctor of Public Health. The results of this investigation will form the basis of the thesis which must be presented as one of the final requirements for graduation. Two copies of the thesis must be deposited in the Dean's Office six weeks before the date on which the degree is to be conferred. Each copy must be accompanied by a summary not exceeding 1200 words in length, which shall indicate clearly the purposes, methods and results of the investigation. After acceptance of the thesis, the candidate will be called before the Faculty for an oral examination upon the thesis and upon those public health subjects to which the thesis is related.

Certificate in Public Health

Occasionally students may wish to confine their studies to some particular field of public health, such as bacteriology, vital statistics or nutrition. Such students must secure the approval of the head of the department in which they wish to specialize. If they do honor work, they may then be granted the Certificate in Public Health in that specialty as evidence of their accomplishment. Ordinarily, students are encouraged to take a sufficiently broad program to enable them to pass with distinction the comprehensive examination and thus to become eligible for the degree of Master of Public Health.

Master of Education in the Field of Public Health Education

The program in this field is offered co-operatively by the Faculties of Public Health and of Education and is ordinarily divided equally between these two fields.

This program is designed for experienced teachers who desire to prepare for the work of the supervisor or director of public health education and for those eligible for the degree of Master of Public Health who seek to prepare for work in the field of dissemination of health information in a department of public health. Courses in the biological and physical sciences are prerequisite to the courses in public health.

The standard program would be:

In the School of Public Health

- Sanitation A
- Nutrition A
- Epidemiology A
- Public Health Practice A
- Public Health Practice B
- Communicable Diseases A

In the School of Education

- Educational Administration 1
- Educational Administration 2

Educational Psychology 2
Sociology 7a (under the Faculty of Arts and Sciences)

Two introductory courses drawn from:

Educational Psychology 1
Educational Measurement 1
Philosophy of Education 1
Secondary Education 1
Principles of Teaching 5

Special Students

Those who do not meet the academic requirements for admission as candidates for degrees may be admitted to certain courses and programs of study at the discretion of the head of each department, and subject to conditions specified by him with the approval of the Committee on Admissions.

Students unable to spend a full academic year at the School may come for individual courses if their preparation for the course is approved by the head of the department.

As the capacity of the School is limited, and priority is given to degree candidates, the number of special students who can be admitted is dependent on the number of applicants who are accepted for the regular course. Therefore, it is not possible to know until early in the fall how many special students can be received.

Master or Doctor of Science in Engineering

Graduates of engineering colleges or scientific schools of recognized standing who are interested in the sanitary engineering or industrial hygiene aspects of public health may be admitted to the Graduate School of Engineering as candidates for the degree of Master or Doctor of Science. They may elect any of the courses offered in the School of Public Health.

For further information write The Secretary, Graduate School of Engineering, Pierce Hall, Cambridge 38, Massachusetts.

GENERAL INFORMATION

Registration

Registration in the School of Public Health for the academic year 1945–46 is on Friday, September 21. Adequate time should be allowed by the student for the discussion of his program with faculty members and with the Dean of the School, whose approval of each program is essential.

All alien students will be referred before registration to the Counsellor for Foreign Students, 24 Quincy Street, Cambridge, where they will present a statement of admission, show their passports, and fill out an Alien Student Registration form. They will then receive a card for presentation at registration, showing they have been cleared by the office of the Counsellor for Foreign Students.

Fees and Expenses

The fee for tuition for each term is $200 for all full-time students who are candidates for degrees. For part-time students the fee varies according to the courses taken and is based on the proportion of the annual fee for instruction which the credit units for each course bear to the total number of credits necessary for the degree of Master of Public Health, plus five dollars for each course. For example, a part-time student taking a course with a credit unit value of two would pay a tuition fee of $25; a student taking a course with a credit unit value of four would pay $45.

Each full-time student will be charged a Medical and Infirmary fee of $10 per term. Part-time students working at the rate of substantially half-time or less and living at home may be excused by the Bursar from the payment of such fee at any time within two weeks after his registration upon the recommendation of the Dean.

Bills for tuition and fees will be issued and payable as follows:

	Issued	*Payable*	
Fall Term	Sept. 24	Sept. 26	½ of the tuition for the term Medical and Infirmary Fee for the term
	Nov. 20	Dec. 10	½ of the tuition for the term Board through October 31 Room rent for the term Miscellaneous charges
Spring Term	Jan. 20	Feb. 10	½ of the tuition for the term Medical and Infirmary Fee for the term Board through December 31 Miscellaneous charges
	Feb. 4	Feb. 6*	½ of the tuition for the term Medical and Infirmary Fee for the term
	March 20	Apr. 10	½ of the tuition for the term Board through February 28 Room rent for the term Miscellaneous charges
	May 29	June 5	Board to the end of the term Miscellaneous charges

* Applies to entering students only.

Students who are candidates for degrees must pay all dues to the University at least one day before the day upon which the degrees are to be voted. A student who leaves during the year is charged to the end of the tuition period in which he leaves provided before that time he gives the Dean notice in writing of his withdrawal; otherwise he is charged to the end of the tuition period in which such notice is given.

A student who leaves the University for any reason whatever must pay all charges against him immediately upon receipt of a bill

from the Bursar. Every student will be held responsible for the payment of fees until he has notified the Dean of his intention to withdraw from the School.

All term bills will be sent to the student at his local address unless the Bursar is requested in writing to send them elsewhere.

The following regulations applicable to students who leave the University by reason of the present national emergency have been adopted:

1. A student who leaves the University for military service in the national emergency, or for service accepted by the University as auxiliary thereto, under conditions which make it impossible for him to complete his work for the term will be required to pay towards his fees for the period in which he leaves *pro rata* to the time of his departure.

2. A student who leaves the University for military or such auxiliary service in the national emergency and is eligible to return within a period of three years to complete his work may reënter the University in any term and be credited with any unrefunded fees paid in the year in which he left on account of a period for which he did not receive academic credit.

Bond Requirement

Upon entrance to the School every student is required to file with the Bursar a bond in the sum of $500 as security for payment of University bills. The bond must be signed by two bondsmen, both of whom must be citizens of the United States, or by a surety company duly qualified to do business in Massachusetts. No officer or student of the University will be accepted as a bondsman and in no case will more than one parent be accepted. In lieu of the bond a student may deposit with the Bursar five hundred dollars in United States Treasury coupon-bearing bonds, or five hundred dollars in cash, which will bear no interest. Blank forms of bonds may be obtained at the Dean's Office or from the Bursar.

Student Health Service

In return for payment of the medical fee the School provides a physician to students who will give medical advice and treatment without charge during the school year. He is available for consultation by students at his office in Building A, Harvard Medical School, from 8.30 to 9.00 A.M., and from 4.00 to 5.30 P.M. daily except Saturdays and holidays. He may also be seen at other times by appointment and at any time in case of emergency. The fee also covers, when necessary, board and ordinary nursing care, for not more than a total of one week per term, in the Stillman Infirmary or in one of the teaching hospitals of the Medical School. There will be an extra charge for private rooms, special nursing care, X-rays and special treatment. In addition, each student is entitled to all the medical and other services that have been organized under the Student Health Service plan of the University.

Any illness necessitating absence from work should be reported to the Student Health Office by the student, or by an attending physician.

Under the auspices of the Department of Medicine of the Harvard Medical School students paying the medical fee will be required to undergo a complete medical examination shortly after admission to the School.

Evidence of having been satisfactorily vaccinated is required for entrance to Harvard University and a form of certification for this purpose is sent to each student who is accepted for admission.

Living Accommodations

There are no dormitories for School of Public Health students but they may get their meals at Vanderbilt Hall dining room, the Medical School dormitory, which at present is operated on a cafeteria system. Furnished rooms in hotels or private homes are available in the vicinity of the School, or in Brookline, a residential district within a short distance, and a limited number of apartments usually can be found. The School is glad to supply such information about living accommodations as can be secured but students should plan

to reach Boston in time to make their own arrangements in advance of registration.

Fellowships and Scholarships

Certain fellowships and scholarships derived from special gifts to the University are open to students in the several departments of the University. They are administered by the Committee on General Scholarships, of which the Dean of the Faculty of Arts and Sciences is the Chairman. Application for any of these fellowships or scholarships must be made on a special form which may be obtained from the Chairman of the Committee on General Scholarships, 5 University Hall, Cambridge 38, Mass. Some of these fellowships and scholarships are granted to persons not previously members of the University, though preference is given, as a rule, to students who have already given evidence of their qualifications by work done in some department of the University. Appointments to fellowships and scholarships for any academic term are made, in most cases, by the Corporation, on recommendation of the Committee on Fellowships, at the beginning of the preceding academic term.

CONTENT OF THE COURSES
OFFERED BY THE
FACULTY OF PUBLIC HEALTH

Courses listed in brackets are omitted in 1945–46

BACTERIOLOGY AND IMMUNOLOGY

J. Howard Mueller, S.M., Ph.D., *Professor of Bacteriology and Immunology* and *Head of the Department.*

John F. Enders, Ph.D., *Associate Professor of Bacteriology and Immunology.*

LeRoy D. Fothergill, A.B., M.D., *Silas Arnold Houghton Assistant Professor of Bacteriology and Immunology.* [Absent for war service.]

Elliott S. A. Robinson, A.B., M.D., Ph.D., *Assistant Professor of Applied Immunology* and *Director of the Division of Biologic Laboratories, Department of Public Health of Massachusetts.* [Absent for war service.]

William A. Hinton, S.B., M.D., *Instructor in Bacteriology and Immunology* and *Chief of Wassermann Laboratory, Department of Public Health of Massachusetts.*

Geoffrey Edsall, M.D., *Instructor in Applied Immunology* and *Acting Director of the Division of Biologic Laboratories, Department of Public Health of Massachusetts.*

James A. McComb, D.V.M., *Instructor in Applied Immunology and Acting Assistant Director of the Division of Biologic Laboratories, Department of Public Health of Massachusetts.*

John M. Newell, A.B., Sc.D., *Instructor in Immunochemistry and Senior Chemist, Division of Biologic Laboratories, Department of Public Health of Massachusetts.*

The Department of Bacteriology and Immunology of the Harvard School of Public Health, in addition to a fundamental course in bacteriology, offers a voluntary course in immunology which consists of seminars and laboratory exercises.

Provision is made for individual work upon problems of serum production, standardization, etc., at the Antitoxin and Vaccine Laboratory of the Massachusetts Department of Public Health.

Advanced work and opportunities for investigation are available, admission to this type of work depending upon the fitness of the applicant.

Bacteriology A

Lectures and laboratory work. *Mondays, Wednesdays, Fridays, 2–5 P.M., first and second months.*

Credit 4 units.

This course, designed for the student of public health, deals with the bacteriology of the pathogenic microörganisms in its applications to diagnosis, investigation and prevention of communicable disease.

Special emphasis will be placed on the practical laboratory aspects of the diseases of particular importance from the standpoint of public health. To a certain extent, provision will be made for the special requirements of individual students. While the course will consist essentially in practical laboratory methods, it will be supplemented by suitable lectures on topics of general interest to public health students.

Bacteriology B (Immunity)

[Seminars and laboratory work. *Tuesdays, 2–5 P.M., and Thursdays, 2.30–5.30 P.M., second and third months.*] Omitted in 1945–46.

Credit 2 units.

Immunity. — The course will consist of seminars in which the basis of discussion will consist of some of the most important older and more recent immunological literature. The student will be expected to take an active part in reviewing this material. In the laboratory exercises, which will occupy two-thirds of the period, the student will carry out the fundamental immunological procedures such as the preparation of antisera and the evaluation of such sera by means of a variety of immunological reactions.

Bacteriology C (Applied Immunology)

Lectures and laboratory work. *Mondays, Wednesdays, and Fridays, 2–5 P.M., at State Antitoxin Laboratory, during eighth month.* Dr. EDSALL.

Credit 1 unit.

In this course the application of immunological theory to the prevention and treatment of disease, as evidenced in the manufacture of serums, vaccines, and related products, is developed by lectures, discussions, and laboratory

demonstrations. The content of the course is dependent upon the training and interests of the students, and on the facilities available by reason of the present emergency.

Opportunities are also offered for study of and training in the manufacture of biologic products or for original work in problems related to these processes, at times to be arranged individually.

This course will not be given for less than five students but arrangements for special work at the Antitoxin Laboratory will be made for anyone interested.

Bacteriology D (Viruses)

[*Tuesdays, 2–5 P.M. and Thursdays, 2.30–5 P.M., during February.* Dr. Enders.] Omitted in 1945–46.

Credit 1 unit.

This course will consist of eight exercises in which an opportunity will be offered to acquire some of the fundamental techniques employed in the study of virus agents pathogenic for man and the lower animals. In addition there will be presented reviews of the recent, significant contributions to knowledge of these agents.

Serological Diagnosis of Syphilis

Time and credit to be arranged. Dr. Hinton.

A short course which deals with the details of methods of the serological diagnosis of syphilis.

Research in Bacteriology

Special advanced courses will be offered in Immunology and the Technique of Serum Study, and will be open to a limited number of students.

Opportunity will be given for properly qualified students to pursue research work along varied lines.

COMMUNICABLE DISEASES

Richard M. Smith, A.B., M.D., S.D. (hon.), *Thomas Morgan Rotch Professor of Pediatrics* and *Head of the Department.*

Conrad Wesselhoeft, M.D., *Clinical Professor of Infectious Diseases.*

Charles A. Janeway, A.B., M.D., *Assistant Professor of Pediatrics.*

Edwin H. Place, M.D., *Lecturer on Communicable Diseases.*

R. Cannon Eley, M.D., *Associate in Pediatrics and Communicable Diseases.* [Absent for war service.]

Louis Weinstein, S.M., Ph.D., M.D., *Assistant in Infectious Diseases.*

Teaching in Communicable Diseases is given in the Haynes Memorial Hospital for Contagious Diseases and in the Isolation wards of the Children's Hospital.

Communicable Diseases A

Lectures. *Tuesdays and Fridays, 9–10 A.M., fifth, sixth, and seventh months.* Clinics. *Wednesdays, 3.30–5 P.M., fifth, sixth, and seventh months.* Dr. Wesselhoeft and associates.

Credit 3 units.

This course consists of lectures, demonstrations, clinics, and conferences on the care and management of patients with communicable diseases, with special consideration of problems which are solved jointly by the public health official and the practicing physician.

Research in Communicable Diseases

Opportunity is offered to qualified students to pursue research work in communicable disease problems in the Department of Communicable Diseases or in conjunction with the Department of Bacteriology and Immunology.

EPIDEMIOLOGY

John E. Gordon, S.B., Ph.D., M.D., *Professor of Preventive Medicine and Epidemiology.* [Absent for war service.]

W. Lloyd Aycock, M.D., *Associate Professor of Preventive Medicine and Hygiene* and *Acting Head of the Department.*

Vlado A. Getting, A.B., M.D., Dr.P.H., *Lecturer on Public Health Practice, in charge of instruction.*

A. Daniel Rubenstein, A.B., M.D., M.P.H., *Assistant in Epidemiology.*

Epidemiology A

Lectures and laboratory work. *Mondays, 11 A.M.–12 M.; Wednesdays, 11 A.M.–12.30 P.M.; and Saturdays, 9 A.M.–12 M., second half-year.* Dr. Getting and associates.

Credit 4 units.

A laboratory, lecture and seminar course designed to give the principles, historic development and methods of epidemiology of the communicable dis-

eases with their application to public health. The laboratory work illustrates field experience and field methods in the collection, analysis and interpretation of data on epidemic and endemic disease.

Epidemiology B

[Advanced Epidemiology. *Thursdays, 9–11 A.M., fifth, sixth, and seventh months; Tuesdays, 2–5 P.M., and Thursdays, 9 A.M.–5 P.M. in the eighth month.* Dr. Gordon.] Omitted in 1945–46.

Credit 2 units.

A conference, field and laboratory course based on studies of current outbreaks of communicable disease. Emphasis is given to investigative procedures and the evaluation of methods of control. Available to students with acceptable preparation.

Epidemiology C

Properly qualified workers may be assigned problems in connection with the general program of field and laboratory investigation being pursued in the department, or may be aided in the development of their own problems. Dr. Gordon and Dr. Aycock.

INDUSTRIAL HYGIENE

Philip Drinker, S.B., Chem.E., S.D. (hon.), LL.D., *Professor of Industrial Hygiene* and *Head of the Department.*

Constantin P. Yaglou, B.A., S.B., M.M.E., *Associate Professor of Industrial Hygiene.*

W. Irving Clark, A.B., M.D., *Clinical Professor of the Practice of Industrial Medicine.*

Leslie Silverman, S.D., *Assistant Professor of Industrial Hygiene.*

C. Guy Lane, A.B., M.D., *Clinical Professor of Dermatology.*

Erich Lindemann, Ph.D., M.D., *Associate in Psychiatry.*

Charles R. Williams, Ph.D., *Instructor in Industrial Hygiene.*

Thomas L. Shipman, Ph.B., M.D., *Instructor in the Practice of Industrial Medicine.*

Manfred Bowditch, A.B., *Instructor in Industrial Hygiene.*

Emma S. Tousant, LL.B., *Instructor in Workman's Compensation.*

Romano H. DeMeio, Ph.D., *Instructor in Industrial Hygiene.*

Henry C. Marble, A.B., M.D., *Assistant in Industrial Hygiene.*

Industrial Hygiene A

Lectures and demonstrations. *Mondays and Fridays, 2–4 P.M.; Wednesdays, 1.30–3.30 P.M., fifth, sixth and seventh months.* Field trips, 2–5 *P.M., on eight days, dates to be announced.* Professor DRINKER and associates.

Credit 4 units.

A course of lectures, demonstrations, clinics, and inspections showing the relation of working conditions to health, with special reference to the cause, prevention and treatment of industrial disabilities.

Industrial Hygiene B (Laboratory)

Laboratory work. *Tuesdays and Thursdays, 2–5 P.M., first month through seventh month.* Dr. SILVERMAN and Dr. WILLIAMS.

Credit 5 units.

Laboratory exercises in measuring airflow, in appraising air conditioning and ventilating installations, in determining and identifying atmospheric impurities, and in making toxicological analysis of importance in industrial medical problems.

Heating and Ventilation (Engineering 140a)

Lectures. *Mondays, Wednesdays, and Fridays, 9–10 A.M., first half-year, at Pierce Hall, Cambridge.* Professor C. H. BERRY.

The theory and practice of heating and ventilating. For engineers. Lectures and exercises in industrial ventilation normally given as a part of Engineering 140a at the Engineering School may be given at the School of Public Health.

Air Conditioning (Engineering 441b)

Lectures. *Mondays, Wednesdays, and Fridays, 8.30–10 A.M., second half-year, at Pierce Hall, Cambridge.* Assoc. Professor YAGLOU.

Theory and practice of air conditioning. For engineers.

Research in Industrial Hygiene, Heating and Ventilating, and Air Conditioning

A limited number of qualified students will be given an opportunity to do research work in these general fields.

MATERNAL AND CHILD HEALTH

Richard M. Smith, A.B., M.D., S.D. (hon.), *Thomas Morgan Rotch Professor of Pediatrics.*

Harold C. Stuart, Litt.B., M.D., *Associate Professor of Child Health* and *Head of the Department.*

William T. Green, A.M., M.D., *Assistant Professor of Orthopaedic Surgery.*

Bertha S. Burke, A.M., *Associate in Nutrition.*

Stewart H. Clifford, M.D., *Instructor in Pediatrics and Child Hygiene.*

Samuel B. Kirkwood, A.B., M.D., *Instructor in Obstetrics.* [Absent for war service.]

Clement A. Smith, M.D., *Assistant Professor of Pediatrics.*

Virginia A. Beal, S.B., M.P.H., *Assistant in Nutrition.*

Shirley B. Kaufman, S.M., *Assistant in Nutrition.*

Anne Williamson, S.M., *Assistant in Nutrition.*

Maternal and Child Health A

Lectures. *Mondays and Wednesdays, 9–10 A.M., Fridays, 10–11 A.M., second half-year.* Dr. Stuart and associates.

Credit 4 units.

This course presents briefly various subjects which are fundamental to maternal and child health services, as well as a consideration of the content and methods of the services themselves. The range of these subjects is very broad, but in so far as possible subjects pertaining to the health of children and adults alike are omitted as they are dealt with in other courses in the School. Problems peculiar to maternity and childhood are reviewed for the most part in this course even though in the general fields of other departments. Thus, the general fundamentals of nutrition are not presented, but the special aspects of diet during pregnancy and lactation, infant feeding, and diet at succeeding periods of childhood are presented. So also the communicable diseases commonly occurring in childhood are not dealt with individually, but only such special aspects as immunization procedures and environmental control measures applicable at certain periods in early life are discussed. Administrative procedures are not fully considered as they may be studied in better perspective in connection with the administration of other health services under Public Health Practice.

It is thus highly desirable that students interested in maternal and child health enroll also for Nutrition A, Communicable Diseases A and Public Health Practice A.

Among the background subjects which are considered sufficiently fundamental to receive attention in the course in Maternal and Child Health are the following:

(1) Normal pregnancy, labor, delivery and the puerperium, the principal complications of these periods, and the diet and hygiene of pregnancy.
(2) Mortality and morbidity by age periods.
(3) Physical and mental growth and development.
(4) Methods of health appraisal applicable to infancy and childhood.
(5) Requirements for normal growth and the causes of abnormal progress.
(6) Infant feeding and diet regulation in childhood.
(7) Habit training and mental hygiene.
(8) Methods of prevention of diseases in early life.
(9) The problems of care and training of special groups of physically, mentally and socially handicapped children.

The lectures on these subjects are planned to orient the student in respect to their importance in relation to maternal and child health services since full consideration of any one might require an intensive course of study and field experience. Further training which includes practical field work should be obtained in some of these subjects by all who propose to specialize in the maternal and child health division of public health practice.

The content and methods of the services dealt with in Maternal and Child Health A are grouped into three main divisions for practical purposes:

A. Maternal and newborn services.
B. Infant and preschool child services.
C. School health services.

These are presented initially from the standpoint of the ideal to be striven for in the light of present knowledge with later discussion of selected programs in operation at the local, state and federal levels.

Maternal Heath B

Time and credit to be arranged after consideration of needs and opportunities of applicants. Not given for less than five students.

A short course of seminars and field visits designed to supplement the lectures in maternal hygiene and obstetric care given in Maternal and Child Health A.

Child Health B

Time and credit to be arranged. Not given for less than five students.

A short course of seminars designed to supplement the lectures in Maternal and Child Health A covering infant feeding and diet in childhood and other

aspects of individual care required by infants and children. This course is intended primarily for students who are not physicians, especially for nutritionists and others who must participate in direct advice to mothers or instruction of children.

Child Health C

Seminars, clinical demonstrations and field visits designed to give practical instruction in the conduct of various child health services. *Mondays, 2–4 P.M., fifth and sixth months, Thursdays, 9–11 A.M., seventh and eighth months.*

Credit 2 units.

Five periods are spent observing demonstrations of infant and preschool child health services.

Through seminars and field visits an opportunity is offered to study at first hand the work of the Division of Child Health of the State Department of Public Health, and the health program in the schools of the City of Newton. The care and protection of handicapped children is also demonstrated on visits to such institutions as the Florence Crittenton Home, the New England Home for Little Wanderers, and the Wrentham State School. The Children's Hospital and the Boston Lying-in Hospital offer opportunities for visits to various services to observe the clinical application of certain health services.

NUTRITION

A. Baird Hastings, S.B., Ph.D., S.D., *Hamilton Kuhn Professor of Biological Chemistry.*

Fredrick J. Stare, S.M., Ph.D., M.D., *Associate Professor of Nutrition* and *Head of the Department.*

David M. Hegsted, S.M., Ph.D., *Associate in Nutrition.*

John M. McKibbin, S.M., Ph.D., *Associate in Nutrition.*

Elizabeth K. Caso, S.M., *Instructor in Nutrition.*

Andromache G. Tsongas, S.B., M.P.H., *Assistant in Nutrition.*

Nutrition A

Lectures. *Mondays, Wednesdays, and Fridays, 9–10 A.M., first half-year.* Dr. Stare and associates.

Credit 4 units.

The course deals with the fundamentals of the chemistry and physiology of nutrition and the practical application of these principles to the problems of human nutrition, especially in the field of public health.

Among the subjects discussed are energy metabolism; protein, mineral, and vitamin metabolism; methods for establishing the minimum and optimum nutritional requirements, together with the problems of meeting these requirements, especially for low income groups. Dietary requirements are considered in their relation to growth, development, pregnancy, lactation, and the formation and maintenance of dental structures. Methods of taking nutritional histories and the use of physical and chemical methods for evaluating the nutritional state of individuals or large groups are presented with special emphasis on nutritional surveys of population groups. The consequences of nutritional deficiencies and the relation of optimum nutrition to national health and economy are discussed. The place of the nutritionist in the public health program is considered and procedures are suggested for educational work. Food budgets, particularly for low income families are dealt with, as is also the importance of food habits. The principles of diet therapy are taught with special emphasis on diabetes and obesity. The nutritional problems of war and other emergencies are dealt with, and the relation of productions, distribution and preparation to the best use of foods is discussed.

Nutrition B

Time (at least 2 half days per week) and credit to be arranged. Dr. STARE and associates.

Facilities are available for advanced work in nutrition along the following lines: fundamental research in nutrition, laboratory methods in nutrition, applied nutrition in public health and medicine, applied nutrition in food management and service.

Prerequisite: Nutrition A or its equivalent. Admission limited and subject to the approval of the instructor.

Nutrition C

Journal Club and Seminar in Nutrition. *Wednesdays, 4–5 P.M. throughout the year.* Dr. STARE and associates.

Credit to be arranged.

Brief discussions of current literature in fundamental and applied nutrition and assigned topics.

Prerequisite: Nutrition A or its equivalent. Admission limited and subject to the approval of the instructor.

PARASITOLOGY AND TROPICAL MEDICINE

DONALD L. AUGUSTINE, S.D., D.Sc. (hon.), *Associate Professor of Comparative Pathology and Tropical Medicine* and *Acting Head of the Department.*

George C. Shattuck, M.D., A.M., *Clinical Professor of Tropical Medicine.*

Joseph C. Bequaert, Ph.D., *Head Curator of Recent Insects.*

Quentin M. Geiman, S.M., Ph.D., *Assistant Professor of Tropical Diseases.*

Shih L. Chang, M.D., Dr.P.H., *Instructor in Comparative Pathology and Tropical Medicine.*

Clarence J. Addis, Jr., S.B., A.M., Ph.D., *Assistant in Comparative Pathology and Tropical Medicine.*

Parasitology and Tropical Medicine A

Lectures and laboratory work. *Mondays, Wednesdays, Fridays, 2–5 P.M., third and fourth months and Saturdays, 10 A.M.–12.30 P.M., November 24, December 1.* Dr. Augustine and associates.

Credit 4 units.

This course is designed to cover the broader aspects of parasitology and tropical medicine. It consists of lectures, laboratory exercises and demonstrations dealing with parasites, pathology, diagnostic procedures, prevention and control. The agency of insects and other arthropods in the transmission of diseases will receive special consideration. Students with special backgrounds and interests in tropical diseases may undertake particular or advanced work. Investigations of members of the Department have provided material, including cultures and other living material, in a number of fields. Among the subjects available for individual work are trichinosis, hookworms, ascariasis, intestinal and blood protozoa, bartonellosis, rickettsial diseases, chemotherapy, immune reactions, and handling and identification of arthropods of medical importance.

Advanced Work in Medical Zoölogy and Tropical Medicine

Advanced work and research in parasitology and tropical medicine may be arranged for qualified students.

Special work on malaria and other problems relating to tropical or exotic diseases may be arranged for qualified students and opportunities are afforded at times for investigators engaged on special problems to work in laboratories or hospitals situated within the tropics.

PHYSIOLOGY

Cecil K. Drinker, S.B., M.D., S.D. (hon.), *Professor of Physiology* and *Head of the Department.*

Frank W Maurer, A.B., Ph.D., *Lecturer in Physiology.*

J. William Heim, S.M., Ph.D., *Assistant in Physiology.*

Jytte M. Muus, M.Sc., *Instructor in Physiology.*

Esther Hardenbergh, A.B., A.M., *Instructor in Physiology.*

James F. O'Neill, S.B., M.D., *Research Associate in Physiology.*

Ecology A

Lectures. *Mondays and Wednesdays, 10–11 A.M., second half-year.* Dr. Drinker and associates.

Credit 3 units.

Ecology is that branch of biological science which deals with the relations of living organisms to their surroundings.

It is the effort of sanitary engineering to provide living and working conditions safe and tolerable for man all over the world and under many different circumstances. The human organism reacts characteristically to many changes in physical environment, to chemical changes in the atmosphere, and to alterations in food supply. In every instance large groups of people are involved and a reasonable knowledge of the principles of public health thus requires realization of the effects of the commoner environmental conditions met by man. These are heat, cold, humidity, dryness, alterations in barometric pressure, light, contamination of the atmosphere by smoke, dusts and chemicals, and changes in diet.

The course will consist of lectures, conferences and demonstrations covering the reaction caused by the varieties of human experience.

Research in Physiology

Properly qualified students will be given opportunities to work in the laboratory provided they can spend at least six months of undivided time.

PUBLIC HEALTH PRACTICE

Edward G. Huber, A.B., M.D., Dr.P.H., *Associate Professor of Public Health Practice, Head of the Department* and *Acting Dean.*

C. Walter Clarke, A.M., M.B.Ch.B., *Clinical Professor of Public Health Practice.*

Paul K. Losch, D.D.S., *Assistant Professor of Clinical Dentistry.*

Shields Warren, M.D., *Assistant Professor of Pathology.* [Absent for war service.]

Vlado A. Getting, A.B., M.D., Dr.P.H., *Lecturer on Public Health Practice* and *Commissioner of Public Health, Department of Public Health of Massachusetts.*

Alton S. Pope, A.B., M.D., Dr.P.H., *Instructor in Public Health Practice* and *Deputy Commissioner, Department of Public Health of Massachusetts.*

ROY F. FEEMSTER, A.B., M.D., Dr.P.H., *Instructor in Public Health Practice* and *Director of the Division of Communicable Diseases, Department of Public Health of Massachusetts.*

HERBERT L. LOMBARD, A.B., M.D., M.P.H., *Instructor in Public Health Practice* and *Director, Division of Adult Hygiene, Department of Public Health of Massachusetts.*

NORBERT A. WILHELM, M.D., *Instructor in Public Health Practice and Director, Peter Bent Brigham Hospital.*

ERNEST M. MORRIS, A.B., M.D., M.P.H., *Instructor in Public Health Practice* and *Director of Public Health, City of Newton, Massachusetts.*

F. WILLIAM MARLOW, JR., S.B., M.D., *Associate in Medicine.*

KATHERINE R. DRINKER, A.B., M.D., *Instructor in Public Health Practice.*

Public Health Practice A

Lectures. *Tuesdays, Thursdays and Saturdays, 9–10 A.M., first half-year (except October 25 and November 15); 2–3 P.M., October 25 and November 15.* Dr. HUBER and associates.

Credit 4 units.

The aim of this course is to study organizational structure and the operation of administration as applied to the practice of public health. This subject is developed through a study of the principles of public administration, of organization, of personnel management, of public health law, of budgeting and of leadership. With the increasing complexity of government, the health commissioner devotes more and more of his time to administration in general, as distinguished from technical administration in the specialty of public health. The health commissioner, therefore, should understand his relationship to other departments, divisions and bureaus of federal, state and municipal governments and to non-official agencies. These subjects receive full consideration in the lectures. In order to develop the specific duties of the administrator of a health department, studies will be made of typical problems which present themselves and of the best solutions to these problems. The purpose of this case history method of presentation is to demonstrate the application of the principles of public health to its practice.

Public Health Practice B

Seminars, conferences and field studies. *Tuesdays and Thursdays, 2–4 P.M., fifth and sixth months.* Dr. HUBER and associates. This course will not be given for less than ten students.

Credit 2 units.

This course is supplementary to Public Health Practice A in that its subject

matter consists chiefly of topics which relate to problems in technical administration in the public health field. The seminar members will be expected occasionally to lead discussions, as well as to participate when seminars are led by non-resident consultants who are leaders in their respective fields. The purpose of the seminars is the study of practical problems of organization and of administration of national, state, district and local health departments. Research into these problems is encouraged.

During the eighth month field exercises are conducted. These demonstrations are given by the Department of Public Health Practice with the active coöperation of the Massachusetts Department of Public Health, the Health Department of the City of Newton and other official and unofficial health agencies.

Students are given opportunities throughout the year to observe and study public health administration in all its aspects by visiting as frequently as is desired certain health departments at state, district, municipal and rural governmental levels.

Public Health Practice C (History of Public Health)

Lectures and seminars. *Tuesdays, 2–3 P.M., first half-year and Thursdays, 2–3 P.M., third and fourth months.* Dr. Huber and associates.

Credit 1.5 units.

This course deals with the growth of the modern public health movement with special emphasis on its progress in Anglo-Saxon countries. The cultural, social and economic forces which have influenced this movement are carefully studied in their relationship to the evolution of the science of public health.

Research in Public Health Practice

Advanced students are offered the opportunity to undertake special studies in Public Health Practice. The student must have completed Vital Statistics A and be enrolled in Public Health Practice B and Epidemiology A before registering for this work.

Venereal Disease Control

Public Health Practice D

Lectures, demonstrations and discussions. *Tuesdays, April 9, 16, 23, Thursdays, April 11, 18, 25, May 2, 9, and Mondays, Wednesdays, Fridays, during eighth month, 2–4 P.M.* Dr. Clarke.

Credit 3 units.

This course presents, first, the basic medical data regarding syphilis, gonor-

rhea, chancroid, granuloma inguinale and lymphogranuloma venereum as communicable diseases, and, second, their epidemiology, prevention and administrative control. During the first part of the course the subject matter is presented by means of lectures, motion pictures, slides and clinical demonstrations. The second part is devoted to lectures and class discussions of practical problems involved in the public health control of venereal diseases.

Clinics

Clinical instruction in syphilis at the Peter Bent Brigham Hospital. *Wednesdays, 6–8 P.M., and Thursdays, 1–3.30 P.M.* Dr. MARLOW.

These clinics are available during the entire year to all public health students; those who are planning to do public health work in this field are expected to spend considerable time in them and to participate in the work.

Credit units according to amount of work done.

Clinical instruction in gonorrhea at the Peter Bent Brigham Hospital. *Mondays through Saturdays, 8.30–11.30 A.M.*

These clinics, while especially designed for students whose major interest is the control of the venereal diseases, are also available to other students.

Credit units according to amount of work done.

Serological Diagnosis. Dr. HINTON. See page 28.

Field Work

Field work in the Bureau of Social Hygiene, City of New York Department of Health. *July, August and September.* Dr. CLARKE, with the assistance of officers of the New York City Department of Health, Bureau of Social Hygiene.

Here half time will be devoted to administration and half to active work in clinics, rotating in each case from post to post. Weekly conferences with Dr. CLARKE will be held in order to coördinate the various activities in which the students have participated.

Technique of Medical Writing

Time to be arranged. Dr. KATHERINE R. DRINKER.

Credit ½ unit for lectures and 2 units for term paper.

A series of lectures, class discussions, and practical demonstrations covers such subjects as using a medical library; preparing a working bibliography; making an outline; writing and revising a paper — including a discussion of paragraph development and sentence structure; preparing tables and illustra-

tions; citing references; proofreading, etc. The term paper required in the major field of interest provides each student with a practical exercise in medical writing. This exercise is supplemented with group conferences in which short written papers of different types are presented and discussed from the points of view of plan and of effective construction.

Control of Cancer

[*Mondays, Wednesdays, Fridays, 9–10 A.M., during eighth month.* Dr. WARREN. The course will not be given for less than ten students.] Omitted in 1945–46.

Credit ½ unit.

The aim of this course is to describe the special control methods which are applicable. The subject is viewed from the standpoint of the administrator rather than from that of the epidemiologist or of the specialist.

Medical Administration A

[Seminars. *Thursdays, 9–11 A.M., fifth, sixth and seventh months; Tuesdays, 2–5 P.M. during eighth month.* Dr. HUBER and associates. The course will not be given for less than ten students.] Omitted 1945–46.

Credit 2 units.

This course is offered in recognition of the growing tendency to make medical administration in general a function of the health department. It undertakes to give instruction in clinic management, in hospital service plans, in methods of distributing the costs of medical care through the insurance device, and in home and office medical service such as is provided at the Boston Dispensary.

Hospital Administration A

Second half-year. Time and credit to be arranged. Dr. WILHELM and others. This course will not be given for less than ten students.

Modern public health organization indicates a growing trend for the local health officer to be directly responsible for city or county hospital management. In recognition of the fact that hospital administration, even of small hospitals, is becoming increasingly complex, health officers and others are seeking instruction in this specialized field. A program has been developed, therefore, which covers the principles of hospital administration. No attempt is made in this brief course to develop hospital administrators but rather to teach the public health student those principles which will enable him to know whether the hospital for which he is responsible is being managed efficiently and economically. To do this, it is not necessary to know details of

hospital administration but it is essential to have sufficient knowledge of the fundamentals.

The faculty will include authorities in their respective fields and subjects will include History and Development of Hospitals, Organization and Management, Construction, Personnel Management in Hospitals, Hospitals and Public Health, Legal, Political and Sociological Aspects of Hospital Administration, Public Relations and Hospitals, Educational Functions of Hospitals. The greater part of the course is didactic in nature, but opportunities are afforded to visit different types of hospitals in Massachusetts.

Hospital Administration B

First or second half-year. Time and credit to be arranged. Dr. Wilhelm. Limited to five students.

This course is designed for students who elect Hospital Administration A and for certain others who are interested in attending daily administrative conferences at the Peter Bent Brigham Hospital.

Dental Public Health Practice

Graduates in dentistry who are accepted as candidates for the degree of Master of Public Health are required to take the basic courses which are prescribed for that degree. They are assumed to have had adequate training and experience in all phases of clinical dentistry but as additional experience, opportunities are provided in the Forsyth Infirmary and in the Harvard School of Dental Medicine. This work is under the direction of Dr. Losch.

Opportunities for field work in public health dentistry are provided in the Massachusetts Department of Public Health and in the Health Department of the City of Newton.

SANITARY ENGINEERING

Gordon M. Fair, S.M., *Abbot and James Lawrence Professor of Engineering, Gordon McKay Professor of Sanitary Engineering* and *Head of the Department.*

Melville C. Whipple, A.M. (hon.), *Associate Professor of Sanitary Chemistry.*

Edward W. Moore, A.M., *Associate Professor of Sanitary Chemistry.* [Absent for war service.]

Shih L. Chang, M.D., Dr.P.H., *Faculty Instructor in Sanitary Biology.*

Charles E. Renn, S.B., Ph.D., *Lecturer on Sanitary Biology.*

Harold A. Thomas, Jr., S.D., *Assistant Professor of Sanitary Engineering.*

The Principles of Sanitation A

Lectures and demonstrations. *Tuesdays and Thursdays, 10 A.M.–12 M., first half-year; Thursdays, 9 A.M.–12 M., October 25 and November 15.* Professor Fair and associates.

Credit 4 units.

A course of lectures, demonstrations and inspections arranged especially for students in the School of Public Health. The following topics will be studied: (*a*) Water Supply — collection, purification and distribution; (*b*) Sewerage — collection, treatment and disposal; (*c*) Analysis of Water and Sewage — physical, chemical and biological; (*d*) Housing, City Planning and Zoning; (*e*) Rural Sanitation; (*f*) Biological Control — insects and rodents; (*g*) Food Sanitation — production, preservation, distribution and preparation; (*h*) Milk Sanitation; (*i*) Shellfish Sanitation; (*j*) Garbage and Refuse — collection and disposal; (*k*) Sanitation of Schools, Camps and Bathing Places.

Sanitation B (Laboratory)

Laboratory and field work. Dr. Thomas.

Time and credit to be arranged.

Examination of water and water supplies, milk and milk supplies, swimming pools, drainage systems, and food handling establishments. Experimental water purification and sewage treatment.

The following courses of instruction offered in the Graduate School of Engineering are open to properly qualified students:

Engineering 400a. Water Supply and Sewerage. Professor Fair.

Engineering 400b. Water Purification and Sewage Treatment Works. Professor Fair.

Engineering 410a. Chemical Examination of Water and Sewage. Associate Professor Whipple.

Engineering 411a. General Bacteriology. Dr. Chang.

Engineering 412a and 412b. Principles of Sanitary Chemistry. Dr. Morris.

Engineering 413b. Sanitary Parasitology. Dr. Chang.

Engineering 430b. Theory of Water Purification and Sewage Treatment. Dr. Thomas.

Engineering 431b. Field and Laboratory Work in Water Purification and Sewage Treatment. Associate Professor Whipple.

Engineering 433b. Stream Sanitation. Professor Fair and Dr. Renn.

VITAL STATISTICS

Carl R. Doering, A.B., M.D., S.D., *Assistant Professor of Vital Statistics* and *Acting Head of the Department.*

Jane Worcester, A.B., *Associate in Vital Statistics.*

Vital Statistics A

Lectures and laboratory work. *Mondays, 10–11 A.M., Wednesdays and Fridays, 10 A.M.–12 M., first half-year.* Dr. Doering and Miss Worcester.

Credit 5 units.

This introduction to Vital Statistics will consist of lectures, recitations, and written work designed to familiarize the student with (1) the general facts already well established in demography, (2) the methods of graphical representation, (3) the calculation and use of averages and of measures of variation, and (4) the common types of rates, their adjustment and comparison.

Vital Statistics B

Lectures and laboratory work. *Tuesdays, 10 A.M.–12.30 P.M., Thursdays, 10–11.30 A.M. and Fridays, 11 A.M.–12.30 P.M., second half-year.* Miss Worcester and Dr. Doering.

Credit 4 units.

This course deals with the elements of the theory of statistical method with especial emphasis on those types of reasoning which are important for the proper planning and execution of field or laboratory investigations. It includes (1) the basic theory of probability, including errors of sampling, (2) association (Yule) and correlation, (3) arithmetic and geometric trends and, as time permits, various other topics such as life tables, rise and fall of epidemics, and the analysis of variation into component parts.

Vital Statistics C

Dr. Doering

Credit according to amount of work done.

A reading course, in either or both half-years, without specific assignment of hours, for students who have a satisfactory knowledge of elementary statistics and wish individual supervision in their study of more advanced parts of the subject.

Vital Statistics D

Dr. Doering

Credit according to amount of work done.

A research course, in either or both half-years, for students, whether specializing in Vital Statistics or in any other field of public health or the social disciplines, who desire to make statistical investigations of their own or to coöperate in the general statistical research of the Department.

STUDENTS 1944–45

Candidates for the Degree of Doctor of Public Health

Lutman, Grace E., S.B., M.D., M.P.H.	Burlington, Vt.
O'Malley, Martha A., M.D., M.P.H.	Waukon, Iowa
Rao, M. Narasimha, M.B.B.S., M.P.H.	Cocanada, India
Worcester, Jane, A.B.	Wellesley

Candidates for the Degree of Master of Public Health

Beal, Virginia A., S.B.	Nantasket Beach
Bellemare, Bertrand F., A.B., M.D.	Quebec, Canada
Benjamin, Gwendolyn L., S.B.	Philadelphia, Pa.
Bradford, Arvine M., A.B., A.M.	Pittsburgh, Pa.
Brewster, Harold N., M.D.	Foochow, China
Cha, Liang Chung, M.D.	Chungking, China
Champlin, Mary F., S.B.	Jacksonville, Fla.
Charles, Laurence J., M.B., Ch.B.	St. Vincent, B. W. I.
Cheng, Mei-yu, M.D.	Chengtu, China
Denaro, Sarah J., A.B.	Belmont
Eder, Howard A., A.B., M.D.	Milwaukee, Wis.
Eidelman, Raquel, Bach.Chem.	Lima, Peru
Fishman, Roslyn U., A.B.	Flushing, N. Y.
Harmon, Lucille M., S.B. in N.	Detroit, Mich.
Hsueh, Ying, S.B.	Shanghai, China
McGill, Charles M., S.B., M.D.	Aberdeen, Wash.
Muniz, Carlos M., D.V.M.	San Juan, P. R.
Rosado, Pedro N., M.D.	Belem, Brazil
Rothmayer, Ruth A., S.B.	Woodhaven, N. Y.
Seijo, Irma H., S.B.	San Juan, P. R.
Teixeira, Edison deF., M.D.	São Paulo, Brazil
Valladares, Rogelio, M.D.	Caracas, Venezuela
Vaughn, M. Elizabeth, S.B.	Chicago, Ill.
Vaz, Orlando V., M.D.	São Paulo, Brazil

Special Students

Almy, Helen J., A.B.	Cambridge
Anderson, Mary A.	Newton Highlands
Baker, Mary C., A.B.	Boston
Bartholin, Elena, Bach.Chem.	Santiago, Chile
Benson, Robert G.	Boston
Bloom, Etta, A.B.	Roxbury
Brennan, Ruth E., S.B.	Powells Station, Tenn.

Brine, Constance L., S.B.	West Newton
Doneilo, Paul	Belmont
Faulkner, Zelma P., S.B.	Atoka, Tenn.
Gavidia, Rodolfo A., M.D.	San Pedro de Lloc, Peru
Henriquez, Alberto A.	Santiago, Chile
Kingsbury, Harlan W., S.B.	Braintree
Labunsky, Bertha	Roxbury
Losseff, Hazel H., S.B.	Malden
Martin, M. Gertrude, LL.B., LL.M.	Boston
Moreno, Adolfo, M.D.	Valdivia, Chile
Nevarez, Orosina, S.B.	Santurce, P. R.
Norat, Praxedes, A.B., M.P.H.	Coamo, P. R.
Pechin, Zillah T.	Wilson Dam, Ala.
Portilla, José M., M.D.	Quito, Ecuador
Potter, Evelyn A.	Topsfield
Rogers, Charles O., A.B., A.M.	Dallas, Texas
Sargent, Virginia W., S.B.	Brookline
Scobie, Kathleen, S.B.	Columbus, Ohio
Sejas, Moises, M.D.	Cochabamba, Bolivia
Shay, Emma D.	Riverside, R. I.
Sogandares, Lucila E., S.B.	Panama City, Panama
Spangler, Huston K., A.B., M.D.	Worcester
Taft, Richard F.	Melrose
Town, Floyd R., M.D.	Lansing, Mich.
Uhler, Ruth N., S.B.	Indiana, Pa.
Wasserman, Eleanor S., S.B.	Roxbury
Ziskind, Harry H.	Norwood

DEGREES

On June 29, 1944, the following Degrees were conferred:

Master of Public Health, *Magna cum Laude*

Helen Lucile Roberts, A.B. (*Univ. of Texas*) 1929, M.D. (*Univ. of Michigan*) 1933.

Master of Public Health, *cum Laude*

Carleton Burke Chapman, A.B. (*Davidson Coll.*) 1936, B.A. (*Oxford Univ.*) 1938, M.D. (*Harvard Univ.*) 1941.

Albert Irwin Mendeloff, A.B. (*Princeton Univ.*) 1938, M.D. (*Harvard Univ.*) 1942.

Manthripragada Narasimha Rao, M.B.B.S. (*Andhra Medical Coll., India*) 1934.
Stuart Shelton Stevenson, A.B. (*Yale Univ.*) 1935, M.D. (*ibid.*) 1939.
Andromache George Tsongas, S.B. (*Simmons Coll.*) 1935.
Ellen Barnett Whiteman, A.B. (*Vanderbilt Univ.*) 1936.
Franziska Weiss, M.D. (*Univ. of Vienna*) 1938.

Master of Public Health

Polly Ayers, A.B. (*Univ. of Kansas*) 1933, D.D.S. (*Northwestern Univ.*) 1937.
Diamond Asken Ballin, S.B. (*Univ. of Lucknow, India*) 1935, A.M. (Wellesley Coll.) 1937.
Carlos Boulos, M.D. (*Univ. of Haiti*) 1940.
Orlando José da Silva, M.D. (*School of Medicine and Surgery, Rio de Janeiro, Brazil*) 1937.
Carlos Ferrufino, M.D. (*Univ. of Chile*) 1939.
Stanton Garfield, A.B. (*Williams Coll.*) 1917, M.D. (*Harvard Univ.*) 1922.
Mary Margaret Hurley, A.B. (*Brown Univ.*) 1927.
Andrew Joseph McQueeney, A.B. (*Yale Univ.*) 1936, M.D. (*Harvard Univ.*) 1940.
Jack Metcoff, S.B. (*Northwestern Univ.*) 1938, M.B., M.D. (*ibid.*) 1942.
Margaret Livingston Varley, S.B. (*Columbia Univ.*) 1940.
Arthur Williams, S.B. (*Howard Univ.*) 1933, D.D.S. (*ibid.*) 1941.

On November 27, 1944, the following Degrees were conferred:

Doctor of Public Health

*Fridgeir Olason, M.D. (*Univ. of Iceland*) 1938, M.P.H. (*Vanderbilt Univ.*) 1943.
Thesis: Vitamin A and Cancer.
Special Field: Nutrition.

Master of Public Health (As of the Class of 1938)

Dean Henry Fisher, A.B. (*Univ. of Maine*) 1931, M.D. (*Univ. of Rochester*) 1944.

* Reported lost at sea November 17, 1944, subsequent to completion of requirements for degree.

TABULAR VIEW

	FIRST MONTH (*September 24–October 20*)	SECOND MONTH (*October 22–November 17*)
Monday	Nutrition A 9–10 A.M. Vital Statistics A 10–11 A.M. Bacteriology A 2–5 P.M.	Nutrition A 9–10 A.M. Vital Statistics A 10–11 A.M. Bacteriology A 2–5 P.M.
Tuesday	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Public Health Practice C 2–3 P.M. Industrial Hygiene B 2–5 P.M.	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Public Health Practice C 2–3 P.M. Industrial Hygiene B 2–5 P.M.
Wednesday	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Bacteriology A 2–5 P.M.	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Bacteriology A 2–5 P.M.
Thursday	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Industrial Hygiene B 2–5 P.M.	Public Health Practice A 9–10 A.M. (2–3 P.M. Oct. 25, Nov. 15) Sanitation A 10 A.M.–12 M. (9 A.M.–12 M. Oct. 25, Nov. 15) Industrial Hygiene B 2–5 P.M.
Friday	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Bacteriology A 2–5 P.M.	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Bacteriology A 2–5 P.M.
Saturday	Public Health Practice A 9–10 A.M.	Public Health Practice A 9–10 A.M.

TABULAR VIEW

	THIRD MONTH (*November 19–December 15*)	FOURTH MONTH (*December 17–January 26*) Recess December 22–January 2 Examinations January 23–26
Monday	Nutrition A 9–10 A.M. Vital Statistics A 10–11 A.M. Parasitology A 2–5 P.M.	Nutrition A 9–10 A.M. Vital Statistics A 10–11 A.M. Parasitology A 2–5 P.M.
Tuesday	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Public Health Practice C 2–3 P.M. Industrial Hygiene B 2–5 P.M.	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Public Health Practice C 2–3 P.M. Industrial Hygiene B 2–5 P.M.
Wednesday	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Parasitology A 2–5 P.M.	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Parasitology A 2–5 P.M.
Thursday	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Public Health Practice C 2–3 P.M. Industrial Hygiene B 2–5 P.M.	Public Health Practice A 9–10 A.M. Sanitation A 10 A.M.–12 M. Public Health Practice C 2–3 P.M. Industrial Hygiene B 2–5 P.M.
Friday	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Parasitology A 2–5 P.M.	Nutrition A 9–10 A.M. Vital Statistics A 10 A.M.–12 M. Parasitology A 2–5 P.M.
Saturday	Public Health Practice A 9–10 A.M. Parasitology A 10 A.M.–12.30 P.M. (Nov. 24, Dec. 1)	Public Health Practice A 9–10 A.M.

TABULAR VIEW

	FIFTH MONTH (*January 28–February 23*)	SIXTH MONTH (*February 25–March 23*)
Monday	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A 11 A.M.–12 M. Industrial Hygiene A 2–4 P.M. Child Health C 2–4 P.M.	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A 11 A.M.–12 M. Industrial Hygiene A 2–4 P.M. Child Health C 2–4 P.M.
Tuesday	Communicable Diseases A 9–10 A.M. Vital Statistics B 10 A.M.–12.30 P.M. Public Health Practice B 2–4 P.M. Industrial Hygiene B 2–5 P.M.	Communicable Diseases A 9–10 A.M. Vital Statistics B 10 A.M.–12.30 P.M. Public Health Practice B 2–4 P.M. Industrial Hygiene B 2–5 P.M.
Wednesday	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A (Laboratory) 11 A.M.–12.30 P.M. Industrial Hygiene A 1.30–3.30 P.M. Communicable Diseases A (Clinic) 3.30–5 P.M.	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A (Laboratory) 11 A.M.–12.30 P.M. Industrial Hygiene A 1.30–3.30 P.M. Communicable Diseases A (Clinic) 3.30–5 P.M.
Thursday	Vital Statistics B 10–11.30 A.M. Public Health Practice B 2–4 P.M. Industrial Hygiene B 2–5 P.M.	Vital Statistics B 10–11.30 A.M. Public Health Practice B 2–4 P.M. Industrial Hygiene B 2–5 P.M.
Friday	Communicable Diseases A 9–10 A.M. Child Health A 10–11 A.M. Vital Statistics B 11 A.M.–12.30 P.M. Industrial Hygiene A 2–4 P.M.	Communicable Diseases A 9–10 A.M. Child Health A 10–11 A.M. Vital Statistics B 11 A.M.–12.30 P.M. Industrial Hygiene A 2–4 P.M.
Saturday	Epidemiology A 9 A.M.–12 M.	Epidemiology A 9 A.M.–12 M.

TABULAR VIEW

	SEVENTH MONTH (*March 25–April 27*) Recess March 31–April 7	EIGHTH MONTH (*April 29–June 1*) Examinations May 27–June 1
Monday	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A 11 A.M.–12 M. Industrial Hygiene A 2–4 P.M.	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A 11 A.M.–12 M. Public Health Practice D 2–4 P.M. Bacteriology C 2–5 P.M.
Tuesday	Communicable Diseases A 9–10 A.M. Vital Statistics B 10 A.M.–12.30 P.M. Public Health Practice D 2–4 P.M. (April 9, 16, 23) Industrial Hygiene B 2–5 P.M.	Vital Statistics B 10 A.M.–12.30 P.M.
Wednesday	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A (Laboratory) 11 A.M.–12.30 P.M. Industrial Hygiene A 1.30–3.30 P.M. Communicable Diseases A (Clinic) 3.30–5 P.M.	Child Health A 9–10 A.M. Ecology A 10–11 A.M. Epidemiology A (Laboratory) 11 A.M.–12.30 P.M. Public Health Practice D 2–4 P.M. Bacteriology C 2–5 P.M.
Thursday	Child Health C 9–11 A.M. Vital Statistics B 10–11.30 A.M. Public Health Practice D 2–4 P.M. (April 11, 18, 25) Industrial Hygiene B 2–5 P.M.	Child Health C 9–11 A.M. Vital Statistics B 10–11.30 A.M. Public Health Practice D 2–4 P.M. (May 2, 9)
Friday	Communicable Diseases A 9–10 A.M. Child Health A 10–11 A.M. Vital Statistics B 11 A.M.–12.30 P.M. Industrial Hygiene A 2–4 P.M.	Child Health A 10–11 A.M. Vital Statistics B 11 A.M.–12.30 P.M. Public Health Practice D 2–4 P.M. Bacteriology C 2–5 P.M.
Saturday	Epidemiology A 9 A.M.–12 M.	Epidemiology A 9 A.M.–12 M.

KEY TO AERIAL VIEW

I School of Public Health

A Administration Building, Medical School
First Floor, Student Health Office
Second Floor, Library

B, C, D, E Laboratories and Classrooms, Medical School
C_2 Department of Nutrition
D_2 Departments of Bacteriology and Epidemiology
E_2 Department of Comparative Pathology and Tropical Medicine
F Vanderbilt Hall

II Peter Bent Brigham Hospital

III Children's Hospital

IV Lying-In Hospital

V Carnegie Nutrition Laboratory

V
III
I
E
IV
I
C
D
A
B
II